FROM: LG'PHILIPS LCD

FAX NO.: 0546 479 4429

01-01-17

Docket No.: 8733.311.00

Combined Declaration, and Power of Allorney and Polition

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name.

We (I) believe that we are (I am) the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

APPARATUS AND METHOD FOR CLEANING SUBSTRATE

| he specification of which | | | • | |
|--|---|--|---|---|
| was filed on | October 13,2000 | | | |
| | as Application Serial No. | 09/689,839 | | |
| | and amended on | | | |
| | CT international application | n | | |
| Number | | | | |
| on | | | | |
| and was | amended under PCT Article | 19 | | |
| on | | (if applicable). | | |
| We (1) hereby state | e that we (I) have review uding the claims, as amend | ed and understand the | | |
| We (I) hereby state dentified specification, included we (I) acknowledge this application as defined in the we (I) hereby clain forcign application(s) for application which designate also identified below, by children where the state of the weight and the weight also identified below, by children which designate also identified below, by children weight also identified below, by children weight and the weight also identified below, by children weight also identified below, by children weight and the weight also identified below, by children weight and the weight and the weight and the weight also identified below, by children weight and the weight and the weight and the weight also identified below, by children weight and the weigh | the duty to disclose inform a Section 1.56 of Title 37 Cm foreign priority benefits patent or inventor's cert at least one country other ecking the box, any foreign ation having a filing date be | ed and understand the d by any amendment ation known to be mande of Federal Regulationer 35 U.S.C. §119 ifficate, or §365(a) or than the United Stan application for pater | referred to abouterial to the pateutions. 9(a)-(d) or §36 of any PCT Intes, listed belowt or inventor's | ve. entability of 5(b) of any nternational w and have contificate, |
| We (1) hereby state dentified specification, included we (1) acknowledge this application as defined in the we (1) hereby claim forcign application which designate also identified below, by chor PCT International applic | the duty to disclose inform a Section 1.56 of Title 37 Cm foreign priority benefits patent or inventor's cert at least one country other ecking the box, any foreign ation having a filing date be | ed and understand the d by any amendment ation known to be mande of Federal Regulationer 35 U.S.C. §119 ifficate, or §365(a) or than the United Stan application for pater | referred to abouterial to the pateutions. 9(a)-(d) or §36 of any PCT Intes, listed belowt or inventor's | ve. entability of 5(b) of any nternational w and have contificate, h priority is |
| We (I) hereby state dentified specification, included we (I) acknowledge this application as defined in We (I) hereby claim forcign application(s) for application which designate also identified below, by cher PCT International applicationed. Prior Foreign Applicationed. | the duty to disclose inform a Section 1.56 of Title 37 Cm foreign priority benefits patent or inventor's certed at least one country other acking the box, any foreign ation having a filing date by plication(s) | ed and understand the d by any amendment ation known to be mande of Federal Regulationary 35 U.S.C. §119 ifficate, or §365(a) or than the United Stan application for pate efore that of the appli | referred to abouterial to the patentions. 9(a)-(d) or §36 of any PCT lites, listed below to inventor's cation on which | ve. entability of 5(b) of any nternational w and have contificate, h priority is |

Date

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| We (I) hereby claim the benefit under Ti States provisional application(s) listed below. | itle 35, United States Code, §119(e) of any Unite | đ |
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| (Application | on Number) | |
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| (Applicatio | n Number) | (Filing Date) |
| (Application | on Number) | (Filing Date) |
| the subject matter of each of the PCT International application is acknowledge the duty to disclo | nal application designation designation of this application the manner provided lose information which is between the filing date of the control of the cont | c. §120 of any United States application(s), or any the United States, listed below and, insofar a ion is not disclosed in the prior United States or by the first paragraph of 35 U.S.C. §112, I material to patentability as defined in 37 CFR of the prior application and the national or PCT |
| Application Serial No. | Filing Date | Status (pending, patented, abandoned) |
| Donnelly, Reg. No. 38,435; Car 39,843; Kussell O. Paige, Reg. No. 42,024 and Amy L. Miller. | therine Bax Richardson, No. 40,758; James M. H Rey, No. 43 804 and as | eg. No. 30,073; Marc R. Labgold, Ph.D., Reg. Crane, Ph.D., Reg. No. 36,113; Laura A. Reg. No. 39,007; Kenneth D. Springer, Reg. No. eintz, Reg. No. 41,828, Laura D. Nammo, Reg. our (my) attorneys, with full powers of |
| Donnelly, Reg. No. 38,435; Car 39,843; Russell O. Paige, Reg. 1 No. 42,024 and Amy L. Miller, substitution and revocation, to p connected therewith; and we (I) sent to Steven B. Kelber of Lon Pennsylvania Avenue, N.W., W We (I) declare that all statements made on information were made with the knowledge of imprisonment, or both, under | therine Bax Richardson, No. 40,758; James M. H. Reg. No. 43,804 and as prosecute this application hereby request that all a galdridge & Norman Lashington, D.C. 20004. Attements made herein of and belief are believed that willful false statemers. | Crane, Ph.D., Reg. No. 36,113; Laura A. Reg. No. 39,007; Kenneth D. Springer, Reg. No. eintz, Reg. No. 41,828, Laura D. Nammo, Reg. our (my) attorneys, with full powers of and to transact all business in the Patent Officerrespondence regarding this application be LP, Attorneys At Law, 6th Floor, 701 Tour (my) own knowledge are true and that all to be true; and further that these statements and the like so made are punishable by fine to the United States Contains and the like so made are punishable by fine to the United States Contains and the like so made are punishable by fine to the United States Contains and the like so made are punishable by fine to the United States Contains and the like so made are punishable by fine to the United States Contains and the like so made are punishable by fine to the United States Contains and the like so made are punishable by fine the United States Contains and the like so made are punishable by fine the contains and the like so made are punishable by fine the like so made are punishable by f |
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APRIL 04, 2001

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LONG ALDRIDGE & NORMAN LLP SONG K. JUNG 701 PENNSYLVANIA AVENUE, N.W. 6TH FLOOR WASHINGTON, D.C. 20004



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RECORDATION DATE: 01/22/2001

REEL/FRAME: 011452/0511

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, LIM SU

DOC DATE: 10/27/2000

ASSIGNEE:

LG.PHILIPS LCD CO., LTD. 20, YOIDO-DONG, YOUNGDUNGPO-KU SEOUL, REPUBLIC OF KOREA

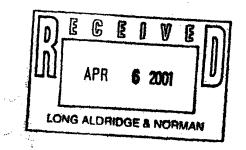
SERIAL NUMBER: 09689839

PATENT NUMBER:

FILING DATE: 10/13/2000

ISSUE DATE:

JEEVON JONES, EXAMINER
ASSIGNMENT DIVISION
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| 1. Name of conveying party(ies): | . 72.01 | | ress of receiving party(ies): |
| Lim Su LEE | . ,, 01 | | Philips LCD Co., Ltd. |
| Additional name(s) of conveying part | y(ies) attached? □Yes ⊠No | | Voido-dong, Youngdungpo-ku |
| 3. Nature of Conveyance: | | | · Oliver |
| ✓ Assignment✓ Me✓ Security Agreement✓ Ch✓ Other | erger lange of Name | | JAN 2 2 2001 |
| Execution Date: Octo | ber 27, 2000 | Additional name | (s) and address(es) attached? □Yes ☑ |
| 4. Application number(s) or patent nu | mber(s): | | DEMA |
| If this document is being filed togethe | er with a new application, the | execution date of t | he application is: |
| A. Patent Application No.(s) 09/689,839 | | B. Patent No.(s) | |
| | Additional numbers atta | ched? □Yes ⊠No | |
| 5. Name and address of party to whon concerning document should be maile | | 6. Total application | ons and patents involved: 1 |
| Song K. Jung LONG ALDRIDGE & NORMAN LI 701 Pennsylvania Avenue, N.W. | _P | 7. Total fee (37 C ■ Enclo □ Autho | |
| 6th Floor Washington, D.C. 20004 | | 8. Deposit accour (Attach duplicate cop | nt number: 50-0911 y of this page if paying by deposit account) |
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| To the best of my knowledge and bei of the original document. | lief, the foregoing informati | on is true and corr | ect and any attached copy is a true copy |
| Song K. Jung | | | January 22, 2001 |
| Name of Person Signing Registration Number: 35,210 | S | ignature | Date |
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Docket No.: 873.311.00

Assignment of Application

| WHEREAS, I (WE) | Lim Su LEE |
|--------------------------------|---|
| | |
| | , respectively, |
| have invented certain new ar | and useful improvements in: |
| Appara | atus and Method for Cleaning Substrate |
| for which an application for | Letters Patent was executed on January 17, 2001 |
| | , |
| (Application No. 09/689 | 9,839 , Filed October 13, 2000), and |
| WHEREAS, LG.Phil | lips LCD Co., Ltd. |
| (hereinafter referred to as "A | ASSIGNEE") having a place of business at: |
| 20 Yoido-dong, Youngdung | gpo-ku, Seoul, KOREA |
| | |

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts know to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Long Aldridge & Norman LLP, Attorneys at Law, 6th Floor, 701 Pennsylvania Avenue, N.W., Washington, D.C. 20004 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Lim Su Lee
(Signature of Inventor)

Lim Su LEE

Long Aldridge & Norman LLP

Attorneys At Law 6th Floor, 701 Pennsylvania Avenue, N.W. Washington, D.C. 20004